Comparative statement

Government of Karnataka

Form No. PWG-45

BBMP. Dasarahalli

Name of The Work: **Modified Estimate for Improvements and Re-Asphalting to Ganesha Saw Mill road and surrounding roads in Dasarahalli in Ward No.15** Estimate Amount: 40.00 Lakhs

Sl	Tender Item No	Description of Item	Unit	As per Sanction Estimate			As per Tendered			Total Executed Qty	Qty Executed up to 125%			Qty Executed Above 125% more than tender Qty			Total Amount	Amount		Remarks
				Qty	Rate	Amount	Qty	Rate	Amount	Qty	Qty	Rate	Amount	Qty	Rate	Amount		Excess	Savings	
1	2	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
1	1	Removing and refixing stone slabs of drains and pointing in CM (1:3)	Sqm	675.00	111.30	75127.50	675.00	126.88	85644.00	968.10	968.10	126.88	122833.00	0.00	0.00	0.00	122833.00	37189.00		
2	2	Earthwork excavation by manual means in Ordinary Soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5 m, excavated surface levelled and sides neatly dressed, the disposed earth to be levelled neatly after breaking of clods complete as per specifications with all leads and lifts etc., complete as per the direction of Engineer-in-charge of the work	Cum	550.00	133.56	73458.00	550.00	152.26	83743.00	675.39	675.39	152.26	102835.00	0.00	0.00	0.00	102835.00	19092.00		
3	3	KSRB 4-1.6 ; Providing and laying in position plain cement concrete of mix 1:2:4 with cement @ 240kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.69 cum and fine aggregtes @ 0.459cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, plinth and cills, ncluding cost of all materials, labour, HOM of machinery, curing complete as per specifications.	Cum	90.00	5747.32	517258.80	90.00	6551.94	589674.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		589674.60	
4	4	Providing and fixing RCC Precast slabs of 0.10 thick of CC M20 with 20mm and down size graded granite metal machine mixed, including cost of labour, HOM of Machinery, curing complete	Sqm	225.00	1615.00	363375.00	225.00	1841.10	414247.50	40.50	40.50	1841.10	74565.00	0.00	0.00	0.00	74565.00		339682.50	
5	5	Providing and fixing pre cast solid concrete kerb stones of size 450x200x400 mm made out of CC 1:2:4 and finished with CM 1:3 plastering and finishing cutting ete., complete.	No.s	1024.00	452.88	463749.12	1024.00	516.28	528670.72	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		528670.72	

6	6	KSRB 15-19.1 : Providing and applying ready mix priming coat over concrete / masonry / asbestos cement sheet / plastered surfaces including preparing the surface after thoroughly cleaning of oil, grease, dirt and other foreign matter, and sand papering including cost of materials, labour, complete as per specifications.	Sqm	350.00	41.07	14374.50	350.00	46.82	16387.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		16387.00
7	7	KSRB 15-19.2 : Providing and applying spray painting in two coats (excluding priming coat) over concrete / masonry / asbestos cement sheet / plastered surfaces with flat wall paint of approved brand to give even shade after cleaning the surface of all dirt, dust and other foreign matter, and sand papering including cost of materials, labour, complete as per specifications.	Sqm	350.00	94.35	33022.50	350.00	107.56	37646.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		37646.00
8	8	Providing and supplying Stone Dust	Cum	60.00	1060.00	63600.00	60.00	1208.40	72504.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		72504.00
9	9	KSRRB M400-6.2. Construction of granular sub-base by providing close graded crushed stone aggregates of granite / trap / basalt material, spreading in uniform layers with motor grader on prepared surface, mixingby mix in place method by rotavator at OMC, and compacting with vibratory power roller to achieve the desired density, complete as per specifications. B. By Mix in Place Method. - Close graded granular sub-base material as per 400-1 For Grading I Material	Cum	112.50	1855.00	208687.50	112.50	2114.70	237903.75	195.32	140.62	2114.70	297369.00	54.70	2862.63	156586.00	453955.00	216051.25	
10	10	KSRRB M400- Wet Mix Macadam KSRRB M400-17. Providing, laying, spreading and compacting crushed stone aggregates of granite / trap / basalt to wet mix macadam specifications including pre mixing the material with water at OMC in mechanical mix plant carriage of mixed method of tipper to site, laying in uniform layers with paver in sub-base/base course on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per specifications.	Cum	112.50	2001.28	225144.00	112.50	2281.46	256664.25	298.15	140.62	2281.46	320819.00	157.53	3001.81	472875.00	793694.00	537029.75	

11	11	KSRRB M500-6. Providing and applying primer coat with S.S. bitumen emulsion on prepared surface of granular base such as WMM including cleaning of road surface and spraying primer at the rate of 0.60 kg / sqm using mechanical means complete as per specifications.	Sqm	1500.00	26.50	39750.00	1500.00	30.21	45315.00	1302.17	1302.17	30.21	39339.00	0.00	0.00	0.00	39339.00	5976.00
12	12	KSRRB M500-17. Providing and laying dense graded bituminous macadam using crushed aggregates of specified grading, premixed with VG30 grade bituminous binder and, transporting the hot mix to work site, laying to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per MORTH table 500-10 complete in all respects complete as per specifications.. MORTH Specification No. 507 - using 40/60 TPH capacity H.M.P. with Mechanical paver Gr-II (50 mm to 75 mm) with 4.5 % VG-30 Bitumen	Cum	63.00	5727.18	360812.34	63.00	6528.99	411326.37	65.10	65.10	6528.99	425037.00	0.00	0.00	0.00	425037.00	13710.63
13	13	Providing and applying tack coat on the prepared black topped surfaces at 2.5 kg per 10 sqm, heating bitumen in boiler fitted with spray set (excluding cleaning of road surface) including cost of all materials, labour, HOM of machineries complete as per specifications.	Sqm	3000.00	10.60	31800.00	3000.00	12.08	36240.00	4688.05	3750.00	12.08	45300.00	938.05	15.04	14108.00	59408.00	23168.00
14	14	Providing and laying bituminous concrete 40mm thick with hot mix plant, using crushed aggregates of specified grading, premixed with bituminous binder and filler, transporting the hot mix to work site, laying with a paver finisher to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction in all respects complete as per specifications. Clause 507 of MORTH V revision as per IRC SP-53-2015. - do - using 40-60 TPH capacity HMP with mechanical paver grading II (30-45mm) with 5.4 % of modified bituminous binder consisting of 4.97% of VG-30 bitumen (60/70 grade) and 0.43% of plastomeric thermoplastics (waste plastic)	Cum	120.00	6761.74	811408.80	120.00	7708.38	925005.60	187.51	150.00	7708.38	1156257.00	37.51	12970.23	486513.00	1642770.00	717764.40

15	15	KSRRB M800-13.Road Marking with Hot Applied Thermoplastic Compound with Reflectrising Glass Beads on Bituminous Surface:- Providing and laying of hot applied thermoplastic compound 2.5 mm thick including reflectorising glass beads at 250 gms per sqm area, thickness of 2.5 mm is exclusive of surface applied glass beads as per IRC:35. The finished surface to be level, uniform and free from streaks and holes complete as per specifications.	Sqm	125.00	454.74	56842.50	125.00	518.40	64800.00	164.58	156.25	518.40	81000.00	8.33	599.35	4993.00	85993.00	21193.00					
16	16	KSRRB M-100-1 Loading and Unloading of Stone Boulder / Stone aggregate / Sand Kanker / Moorum.KSRRB M100-1 : Placing tipper at loading point, loading with front end loader, dumping, turning for return trip, excluding time for haulage and return trip complete as per specifications.	Cum	648.00	123.80	80222.40	648.00	141.13	91452.24	675.39	675.39	141.13	95318.00	0.00	0.00	0.00	95318.00	3865.76					
		Total Construction Cost				3418632.96			3897224.03													
		Tender Premium				170932.00																	
		GST at 12% of Tender Amount				410236.00																	
		Miscellaneous & unforeseen charges				199.04																	
		Total Amount				4000000.00			3897224.03				2760672.00			1135075.00	3895747.00	1589081.79	1590559.82			

The Contractor Quoted +13.99% Above on Amount Put to Tender

1	Total Sanctioned Amount	=	4000000.00
2	Amount Put to Tender	=	**3418632.96**
3	Tendered Amount	=	3897224.03
4	Probable amount As per Modified Estimate (Work Slip+EIRL)	=	**3895747.00**
5	Probable Excess Amount	=	1589081.79
6	Probable Savings Amount	=	1590559.82
7	Total Saving Amount(3-4)	=	1477.03

Since the overall expenditure is lesser than Sanctioned amount. Workslip may please be approved

Assistant Engineer
W-15

Assistant Executive Engineer
Dasarahalli Sub-Division

Chief Engineer
Dasarahalli Zone
B. B. M. P

Executive Engineer
Dasarahalli Division